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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **TMPRSS2 REGULATORY SEQUENCES AND USES THEREOF**

(57) Abstract: TMPRSS2 transcriptional regulatory sequences (TREs) are provided. TMPRSS2 TREs provide for transcriptional regulation dependent upon transcription factors that are only active in prostate cancer cells. The TMPRSS2 TREs may be used as a vehicle for introducing new genetic capability, particularly associated with cytotoxicity, for selective expression in prostate cancer cells.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11623

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/04; A01N 63/00; A61K 48/00; C12N 5/00, 15/63

US CL : 536/24.1; 424/93.2; 435/320.1, 455, 325

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 536/24.1; 424/93.2; 435/320.1, 455; 325

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GenBank Accession No. AP001610. Homo sapiens genomic DNA, chromosome 21, clone: CIT2533B8, MX1-D21S171 region, complete sequence. 03 June 2000.	1-2
A	PAOLONI-GIACOBINO, A et al. Cloning of the TMPRSS2 gene, which encodes a novel serine protease with transmembrane, LDLRA, and SRCR domains and maps to 21q22.3. Genomics. 15 September 1997, Vol. 44, pages 309-320, see the entire document.	1-31
A	WO 99/62942 (UROGENESYS, INC.) 09 December 1999, see the entire document.	1-31

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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16 November 2004 (16.11.2004)

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**INTERNATIONAL SEARCH REPORT**

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Continuation of B. FIELDS SEARCHED Item 3:

APS, DIALOG, MEDLINE, CANCER LIT, BIOSIS, EMBASE

Search terms: SEQ ID NO:1, TMPRSS2, promoter, enhancer, TRE, gene, genomic, adenovirus.